

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY

Form Bi-689

FIELD DIARY

Mr. E. A. Goldman

(Official title.)

Period, Sept. 28 to Dec. 4

1936
NOTICE

This book is Government property. The finder is requested to mail it to the BUREAU OF BIOLOGICAL SURVEY, DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C., or deliver it to the official whose name appears above. A detachable addressed frank will be found on the last page; by tying this on the cover the book may be mailed without postage or wrapping if fastened shut.

Sept. 28 1936.

Left Washington, D.C., 4:45 P.M.

Sept. 29.

Arrived Chicago, Ill. 8:20 A.M.

Spent at Field Museum with Dogood. Looked up Alaskan wolves.
Visited Zoological Park.

Left Chicago, 9:15 A.M.

Sept. 30, en route

Early morning Kansas City. Late afternoon Dodge City, Kas., and late evening La Junta, Col.

Oct. 1

Arrived Flagstaff, Ariz. 5:10 P.M.
Met by Luther who had driven
from California.

Oct. 2. Flagstaff, Ariz.

Confused with Forest Service
officials, especially Bob Monroe,
Deputy Supervisor. Wrote letters &
organized for big.

Oct. 3. Left to Marble Canyon ^{area}
Left Flagstaff 120 PM,
Morning devoted to completing
organization of outfit. Arrived
Marble Canyon 127 miles 6:30 PM
Tire trouble delayed us 2 hours.

Oct. 4 Sun.

Left Marble Canyon ^{area} 8:30 AM.
arrived St. George, Utah 5:30 PM.
Dust, tra.

Passed through Zion Nat. Park in state.

Oct. 5, Mon.

Left St. George, Utah, 9 AM and
crossed Virgin River, passed Wolf-
Bole and Burdsville and
climbed the ^{near Hurricane} ~~Hurricane~~ ^{area} to
the southern base of Mt.
Trumbull where we camped at
^{6500 feet}
passed through a belt of lower
Sonoran zone characterized by

Ceanothus and other zone veg.,
but soon climbed into
Upper Sonoran, characterized by
Leiozygne, junipers and pinyon
pines. Near Mt. Trumbull we
entered the Transition zone indicated
by yellow pine, Quercus ~~whetstone~~
but generally mixed by junipers,
and pinyon pines as upper
Sonoran zone elements. Arrived about
5 P.M.

Dust, tra.

Set out some

Thomomys. Set out a few
traps in a little spark-like area
where the soil was fairly soft.

Oct. 6 ^{Mon.} Near Nixon

Sp. Mt. Trumbull.

Thomomys, only one obtained.
These gophers plug holes very

lightly so that traps are often left unprung.

Leyanocitta, common.

Sialia arctica — ^{full} Scand in spr.,
Sialia mexicana. In timber
Junco thunbergi (Black-headed) com.

Trochocercus albescens. Touched by
frost and turning red and
golden yellow. Big acorn crop
falling.

Pinion pine. Big crop of nuts
just falling.

Weather. Cool at night but
days beautifully clear and
warm — almost hot in the sun
Leucosticte vinacea. Common, flying
about often two or three
together. Mellow notes heard
at intervals all day.

Oct. 7. Wed. ^{Wash}
Trumbull, Nifor Spgs.

Continued trapping mainly
for pocket gophers.

Citellus grammus. Some
seen in ^{edges} lava beds. Holes
also noted under logs.

Eutamias, Reticularis com.,
especially along edges of
lava beds.

Colaptes cafer.

Glaucidium quama (Heard)
early evening.

Birds. Heard at night.

Spizella socialis, A few
seen in yellow pine timber.

Oct. 8. ^{Thurs.} ^{mt.} Trumbull, big
Nifor Spgs.

Continued trapping mainly for
gophers.

Oreococcyx gutturalis — About 35
seen in pine.

Oct. 9 Nicas Spgs
to 3 mi. N. of Diamond Butte.
Ecclonia fasciata

Torpa

Eriogonum elatum, scarce
Harney Ridge - Started
down about 4 P.M. - made
desert in 15 minutes.

Acacia constricta - In
Prison south of Diamond
Butte.

Ridge of Cal. Son. &
Sage south of Diamond
Butte. Arrived about 5 P.M.

Oct. 10

Arrived at Diamond Butte
Camp.

This is in lower part of upper
Sonoran zone.

At first

Junipers - a few, but
country mainly open.

Oct. 11.

Wheatear nearly 72°
Left Diamond Butte Camp

3:35 P.M.

Upper Son. Zone at camp
Sage brush

Juniper
Prickly bush

Ammodramus - holes among
sage brush and clumps
Sage brush

Wolf Hole just N.
Cross Ridge about
5000 ft., high covered
with ~~the~~ winter growth
of yuccas to 8 ft. in
diameter.

Toloxys paradoxus
~~leptophrys~~ wings at
Speedometer reading 7278
about 10 mi. N. of Wolf Hole.
Arrived 6 P.M.

Oct. 12
left St. George Utah 130 P.M.
Mileap reading 17249

Drove up into Pinekill
canyon at lower edge of
juniper in Virgin Mts.
Route led up slope through
lower Sonoran as indicated by
Cowania, etc. to belt of
leucosyne and Yucca brevifolia,
around 4000 ft.

Oct. 13.
Remained at Pinekill canyon
camp in Virgin Mts.
Ammos., lencana } seen
Eulamias }
together among lower
junipers near camp.

Pinyon
Juniper
Ceratostoma with red bark
lech. jessie
zonotrichia where horses had been
out of spring.

Acacia greggii
Virgin Mts. A little transition
zone on summit.

Yellow pine - a few
clearly visible on summit of
Mt. Bangs.

Beaverdam Mts. These extend
down into Ariz. but are almost
wholly Lower Sonoran - the
end of the range makes a narrow
gorge along Virgin River.

Oct. 14,
Gld Virgin Mts Camp
4:10 PM.
Mileage 7322
Gas 10 gal.
Arr. 6 PM. ~~st~~ Beaverdam
near Trulifield Ariz.

Oct 17
Left Beaver Dam, 3, PM.
Mileage 7346.
Gas 3 gals .72
arr. Las Vegas, Nev. 6 PM

Oct. 18. Sun. Las Vegas,

Nev.

Leave Las Vegas, Nev. ~~9:45~~ ^{11:10} AM.
Mileage 7470 inc. side
trip of 26 miles to Overton valley
Gas 10 gal ^{2.10}
Clear gravel & sand ^{2.40}
Arr. Kingman 4 PM
Gas 5 gal ^{1.20}
Arr. Williams, 7:30 PM.
~~Gas~~

Oct. 19.
Left Williams 8:30 a.m.
Mileage 7715
Gas 10 gals, oil 1 qt. 2.65
Arr. Flagstaff, Ariz. 10. a.m.

Oct. 20
Arrived Flagstaff. Snow
still in progress. Reports &
carries

Oct. 21.
Flagstaff to Camp Verde
Left Flag. 11.35 AM
Mile 775 1
~~Colombia~~ ~~farreata~~ - ~~2 to 3 in~~
Flock of about 50 sat
in three pine trees near rim of
Oak Creek Canyon 12 M.
Cupressus ariz.
Andean Gardens - ~~gate~~ resort
in oak belt - good for work

Arrived Camp Verde,
3:30 P.M.

Meter reading on
arrival 7820.

Camp Verde in upper part of
lower Sonoran zone. *Ceanothus* grows
low down along east side of
valley.

Oct. 22

Remained at Camp Verde. Trapped
last night on loose sandy soil,
but traps took a number of *Dipodops*,
Chapmanii, which is abundant,
and 2 *Dasyphorus* and a single
specimen of *Peromyscus*.
Painted in country & return 8 A.M.-6 P.M.

Oct. 23

Left Camp Verde 3:15 P.M.
meter-reading 7861

Last night 158 traps were set in
the hope of taking *Perognathus*
amplus. To study scarcely

ground was chosen. Traps
this morning contained many
Taxicetes rufus, *Dasyphorus*, *Peromyscus*
truei and *P. eremicus*.

Passed through rugged
country, mostly upper
Sonoran zone, but entered
transition near Pipe
Arrow Payson 6 P.M.

Oct. 24

Left Payson 8 A.M.

Meter 7916

Ceanothus *Arctostaphylos*
Dasyphorus *Myrsinaceae*
Carpobrotus *Succulents*
88 ph. *Gambelia* 1. *Bush*
Shrubs *Acacia*
Psidium *Cal.*

Aspidoscelis *Eggs*

Sceloporus *Uromastyx* *Variegata* (D. 2nd)

Cottonwood } along shore,
Sycamore
Willows
Prosopis
Palo verde
Roads down Tort Creek &
Roosevelt Lake,
Roosevelt Lake 10 a.m.
coffee bush
Legumes
White pelican about 12
" Roosevelt Lake,
Ardea herodias Roosevelt
Common in Roosevelt Lake.
Water cool. At 11 Dam
Arrived Phoenix in Rain about
3 P.M.

Oct. 25
Left Phoenix Ariz. 10,50 a.m.
Meter 8054
Java extrusion over light -
colored, perhaps calcareous
formation near Gullfie Dam
on the lake.
Arrived ~~Terer Range~~ 2 P.M.
13 miles N. of Ariz.

Oct. 26
Left ~~Terer Range~~ 5 P.M.
Meter 8164
Arrived Ariz 5:30 P.M.

Oct. 27
Left Ariz 9:45 a.m.
Meter 8188 Ariz
" 8207 Grand Canyon
Sgn { 9000 ft. - 9 mi.
full well 40 mi.
Tinajas 9000 ft. 59
Meter 8223

4

8827
8226

$$\begin{array}{r} 8261 \\ 8188 \\ \hline 6) 73 \\ \hline 12 \end{array}$$

Oct. 29
Left Agua Dulce Mts,
12 M.

Meter 8226
Arrived Ag. 3 PM

Groceries Ag. 39
Dinner 6.11 1.75

Meter at Ag. B261
Arrived at Camp N. of Ag. 330 PM

Oct. 30

Left Camp N. Ag. 6.10
Meter 8275
Arrived Phoenix 10.45 PM

Oct. 31
Ran. Phoenix

Nov. 1
Left Phoenix 2:25 PM.
Miles 8383
Arrived Tucson 6 PM.

Nov. 2
Left Tucson 9 AM
Miles 8515
Arrived points near Oracle
12 M.

Nov. 3.
Left Oracle 11:50 AM
Miles 8578
Arrived 6 PM Mammoth camp
near

Nov. 4
Left Mammoth camp 10 AM
Miles 8604
Drove up along San Pedro River

Valley to Sacaton Ranch over a rough road. Had good views of Galiuro Mts. From Sacaton Ranch turned out of valley to Oracle and thence back to Tucson, arriving 6 P.M.

Nov. 5
Left Tucson 11:30 AM,
Meter 8698
Arrived Phoenix via Agg., 7 PM

Nov. 6
Left Phoenix, 11:35, arr. Salome 6:00 PM
Meter 8945
Wickenbury for lunch about 1 P.M.
Vulture Mts., near Wickenbury
Tucson Sonoran.

Red-t. Grouse Game Park -
a ~~few~~ ^{few} without a peak -

Fauna so far.

Vegetation - Spruce - mostly low-lying, ~~quaking~~, cholla (ord. day), Palo verde

Giant cactus (scattered)

Opuntia

Amur hairgrass

Harguahala Mts. Learned at Wickenbury that the Smithsonian maintained an observatory on top that was reached by a trail from the base.

about

Thomomys, Ten miles west of
Hope found some softwood gas
as type locality of Bartramia.
Set 12 traps along highway and
returned to pass the night at
Salome.

Nov. 7,
Left Salome for trap 8:30 a.m.
Mile 90 88
Retumed 1 P.M.

Nov. 8
Left Salome for trap 8:30 a.m.
Mile 91 27
Alt. 1250 near Salome
Kangaroo Plains
Retumed 1 P.M.

94023

94019
9159
260

94 17
92 42
8) 127
16

Nov. 9

Left Salome 12:30 P.M.

Alt. 9159

Arr. Gucca 7:30 P.M.

Road via Bonne Swansea and Plant Ranch on Williams River. Through rugged but low hills near Swansea and down rather steeply to narrow Williams River Valley. Ledges of corn have been raised at Plant Ranch and we looked in vain in old fields for signs of pocket gophers. From river which was easily crossed, as it contained little water, we ascended gradually over a ridge about 3000 ft in altitude through a veritable forest of true yuccas. Thence the road descended to Gucca.

Palaeostictus. After dark we came

Nov. 9 A.M. 19

upon about half a dozen of these birds at intervals, but in one place two were seen sitting in the road, their eyes glowing red in the light from the headlights on the car. They allowed us to approach quite near and at high speed they would have been in considerable danger of being struck by the car.

Ammodramus harrisi. Several seen running across or along road near Williams River. Habit of carrying comparatively long tail elevated with the tip turned slightly backward was noted.

Trochilus E. cal. ^{no} noted near Williams river.

Trochilus spar. Several seen near Williams River, stopped for night at a small place run by an Arizona Mexican.

Nov. 10

Left Yucca 9 A.M.
Meter 9292 ~~9300~~.
Arr. 3 PM Wickens
Trochilus spar - near Yucca
Brooksby Calyp., 20 mi. S E of
Yucca. Crossed road.

Ammos - among wire grasses
& yuccas 10 AM. N.E. of
Signal.

Some part of Big Sandy ranch

Nov. 11

Left Wickens 5.15 P.M.
Meter 9361.

Arr. 7 PM Kizwan.

Route was gradually up stream
crossing valley of ^{the 11} ~~the 11~~ &
monkeys back around the north
end of the Huachuca mts to
Kizwan.

Mr. 12

Left Kingman 7:45 AM

Miles 9419

Arrived Salome 9 P.M.

Route was from Kingman down to Mohave Indian School near the Colorado, then to Topock and out about 10 miles to northern end of Mohave Mts, south of the group of peaks known as the Needles.

Mohave Mts are granite in character heavily decomposed and of the type that tend to bury themselves in contact with the Needles which are of less friable formation.

Pocket gophers looked on river bottoms and along granite washes leaving up to near

$$\begin{array}{r}
 10056 \\
 9900 \\
 \hline
 10) 156 \\
 \hline
 9900 \\
 9694 \\
 \hline
 10) 306 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 128 \\
 56 \\
 \hline
 72
 \end{array}$$

$$\begin{array}{r}
 10168 \\
 9900 \\
 \hline
 17) 268 \\
 \hline
 17 \\
 \hline
 98 \\
 85 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 10168 \\
 9901 \\
 \hline
 10168 \\
 9694 \\
 \hline
 474
 \end{array}$$

$$\begin{array}{r}
 10168 \\
 10056 \\
 \hline
 7) 112 \\
 \hline
 16
 \end{array}$$

Mohave Mts. in vain for gophers. Conditions along river bottoms near Poprock appear excellent and it is remarkable the gophers are absent.

Return to Salome through California territory.

Nov. 13.
Left Salome 8:30 AM.
Met 9694
Arr. Phoenix 11 AM.

Nov. 14
Left Phoenix 12:45 PM.
Met 9808
Arr. Gila Bend 2 PM

Nov. 15
Trip near Gila Bend
Miles 9901 - left 7:45 AM - ret'd,
1 PM.

Nov. 16
Trip to traps, Gila Bend
Miles 9920

Left Gila Bend, 4:10 PM.
Miles 9920

Arr. Yuma 6:30 PM

Nov. 17
Left Yuma 7 AM

Miles 10056

Arr. Quartzsite 10:10 AM.
Vig. - *Acacia*, *leholpa* (M. D.),
Yucca, *palo verde*, giant
cactus.

Region extremely arid.
Arrived at Quartzsite 10:145

Meter at Blyth 10168

Gas " " 7 gallons 1.47

Gas at La 12369

139

Meter 10398

Arrived La 5 PM

Nov. 18

Remained at Los Angeles, began
annual leave 4:30 PM.

Nov. 19 On leave,
Drove La to Berkeley

Nov. 20

Remained in Berkeley

Nov. 21

Drove to Ranch

Nov. 22

At Ranch.

Nov. 23
Drove back to B.A.

Nov. 24 9 am
Resumed official duty in Los Angeles, & Pasadena. Family off for home.

Nov. 25
At Bal. Tech., drove in evening to San Diego with A.D. San Joaquin & wife

Nov. 26 (Thanksgiving)
Spent most of day at Museum

Nov. 27
Spent most day at Museum, met & solar system. Abbott at 108 museum with him.

Nov. 28 (Sat)
Finished at Museum,
Stayed at Hotel Ocean Village
on Beach.

Noted on beach:

Sayornis nig.

Mimus (Audubonian)

Plover (blk-felld)

Mocking Bird

Mesoleiochroa

Water-willet

Nov. 29 (Sun).

Returned from San Diego to Pasadena - attended dinner given by Florence V. V. Disney at Bobbly's in evening, after guests ¹ Delos and Margaret Hackituka.

Nov. 30 (Mon).

Completed work at Cal. Inst and in evening (8:45) took train for Washington, D. C. van Rossem and wife came to depot to see me off.

Dec. 1 to Dec. 4

On route Pasadena to Washington, D. C. - arrived on 4th at 2 P.M.

$$\begin{array}{r} 10445 \\ 6777 \\ \hline 3368 \\ 4 \\ \hline 134.72 \end{array}$$

$$\begin{array}{r} 1 \\ \hline 361 (b) \\ \hline 151b \\ 7268 \end{array}$$

$$\begin{array}{r} 1611 \\ 5168 \\ \hline 151b \end{array}$$

$$\begin{array}{r} 16 \\ 56 \\ \hline 253 (a) \\ 8698 \\ 8945 \end{array}$$